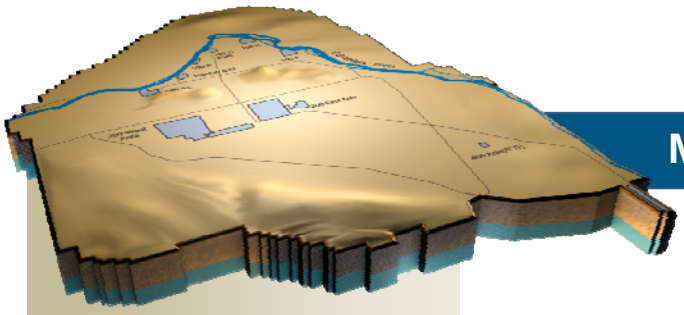
CH2MHILL
Plateau Remediation Company

Section G
Fast Flux Test Facility Closure
(RL-0042)



Monthly Performance Report

S. T. Dahlgren
Vice President for
PFP/Balance of Site

Completed installation and testing
of new 13.8 KV feed for S&M Power

October 2008
DOE/RL-2008-69, Rev.0
Contract DE-AC06-08RL14788
Deliverable C 3.1.3.1 - 1

PROJECT SUMMARY

Work leading toward turnover of FFTF to Balance of Site for Surveillance and Maintenance is progressing well. One transformer has been drained and removed from the area, and the second will progress into draining in mid-November.

Combustible loading to support isolation of specific water utilities lines continues, and the cask will be loaded in November.

TARGET ZERO PERFORMANCE

	CM Quantity	FYTD Quantity	Comment
Lost Time Injuries	0	0	N/A
Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near-Miss	0	0	N/A

KEY ACCOMPLISHMENTS

42.01 FFTF Cleanup

- Installed 13 KV feed for surveillance & maintenance (S&M) power.
- Installed instrumentation system to monitor low-pressure, argon-cover gas system.
- Drained polychlorinated biphenyl (PCB) from Transformer X-7.
- This month the In-Containment Chilled Water and Cooling Water systems were drained of 16,615 gallons of glycol and shipped offsite by the recycler. To date, 71,215 gallons of glycol have been drained and shipped offsite out of an estimated 110,000 gallons.
- Three flats loaded with 11 Ion Exchange Modules from the Sodium Removal System were sent to the Environmental Restoration Disposal Facility (ERDF).
- Four drums containing Sodium Removal System filters designated transuranic waste (TRU) were shipped to the Central Waste Complex.
- Work commenced to install the electrical distribution system for the S&M 480 volt power within the plant.

MAJOR ISSUES

None at this time.

KEY RISKS AND CHALLENGES

Risks	Impact	Mitigation
Cold weather delays Disposal Solid Waste Cask (DSWC) shipments.	Experienced and knowledgeable personnel no longer assigned at FFTF.	Working to ship 1st DSWC in November to validate process and procedures. Key personnel can be borrowed back from other Hanford locations in the spring. (Shipment is not on critical path.)
DSWC tie-downs must be changed due to RL reviewer comments.	Added costs and delay in DSWC shipment to ERDF.	Subcontract retired engineer who performed analyses to resolve comments. Direct communication between engineer and RL reviewer.

PROJECT BASELINE PERFORMANCE ($M)
CURRENT PERIOD (MONTH)

Current Period (Month)	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (FY 2009)
RL-0042 Fast Flux Test Facility Closure	$1.4	$1.3	$1.2	$-0.1	-7.2%	$0.2	12.2%	$8.5
Numbers are rounded to the nearest $0.1M. FY 2009 is based on interim basis until FY 2009 baseline is implemented for the contract period PMBS.								

CUMULATIVE-TO-DATE

Cumulative-to-Date	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (CTD)
RL-0042 Fast Flux Test Facility Closure	$1.4	$1.3	$1.2	$-0.1	-7.2%	$0.2	12.2%	$8.5
Numbers are rounded to the nearest $0.1M. FY 2009 is based on interim basis until FY 2009 baseline is implemented for the contract period PMBS.								

CTD Schedule Performance (-$0.1M/-7.2%):

A delay in completing carryover work scope resulted in a subsequent delay in initiating the draining of a transformer. This schedule is expected to recover by the end of December.

CTD Cost Performance (+$0.2M/+12.2%):

Several staff augmentation contractors were not captured in the October actual costs. Additionally, usage based services and direct distributables were not received; both of these items are timing related and will capture costs closer to planned by the end of the first quarter. The final contributor to the positive cost variance are underruns within min safe activities, particularly materials and equipment that has not yet been required or purchased, while statused as level of effort.

Contract Performance Report Formats are provided in Appendix A.

FY 2009 FUNDS VS. SPEND FORECAST ($M)

	FY 2009		
	Projected Funding	Spending Forecast	Variance
RL-0042 Fast Flux Test Facility Closure	9.3	9.3	0.0

Critical Path Schedule:

Critical Path (CP) analysis is limited as the contract cycle schedule is under development awaiting key deliverable inputs and funding considerations. Critical Path Analysis for sub-project activities that reach an endpoint within FY 2009 can be provided upon request.

EAC:

For purposes of reporting on the FY 2009 Interim Work Plan, the Estimate at Completion and fiscal year Budget at Completion (BAC) are considered equal. This condition will be modified with incorporation of the performance measurement baseline.

Baseline Change Requests:

See Overview.

MILESTONE STATUS

Tri-Party Agreement milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. A revised Performance Measurement Baseline is currently being developed that will define CHPRC planning with respect to TPA milestones.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-081-15	Submit FFTF Surveillance and Maintenance Plan.	TPA	6/30/10		7/28/09	Ahead of schedule
M-081-00A-T05	Complete Auxiliary Plant Systems Deactivation.	TPA	2/28/11		8/31/09	Ahead of schedule
M-081-00A	Complete FFTF Facility Transition and Initiate S&M Phase.	TPA	2/28/11		9/30/09	Ahead of schedule

SELF-PERFORMED WORK

The Section H. clause entitled, Self-Performed Work, is addressed in the Monthly Report Overview.

GOVERNMENT FURNISHED SERVICES AND ITEMS (GFSI)

Information Needed From RL:

RL approval of Disposable Solid Waste Cask tie-downs and trailer configuration design and analysis.

Provide relief from requirement for independent water supplies for fire protection.